

PRB TRADI H PRB 85 H

SEMI-HEAVY SINGLE LAYER RENDER (WINTER)

PRB TRADI H (FINE GRAIN), PRB 85 H (MEDIUM GRAIN)



The **+**s of PRB TRADI H / PRB 85 H

- +** Waterproofing and decoration for Rt3 (high peel resistance) exterior walls and interior walls
- +** PRB TRADI H: All types of finishes (fine scrape, float finish, roughcast and rustic...)
- +** PRB 85 H: Scraped and rustic finish
- +** Suitable for use on underground walls



EN 998-1 Type OC3
CS category IV



PACKAGING

– Paper bag containing 25kg.

STORAGE LIFE: 12 months.

CONSUMPTION/USE

The consumption varies depending on the surface (type, flatness, roughness, etc.). The thickness at all protruding points of the facades must be at least 10 mm to ensure proper waterproofing on Rt3 (high peel resistance) substrates.

– **Minimum thickness of 10 mm: 17 kg/m².**

Concrete substrates and render undercoats:

For decorative rendering, the thickness must be 5mm at all points.

– **Minimum finished thickness of 5 mm: 8.5 kg/m²**

– **Maximum finished thickness of 15 mm: 25.5 kg/m²**

COLOUR: 100 PRB colours and Sun + colours.



AREA OF USE

USES

- Exterior or interior walls, for all types of residential, commercial or industrial buildings.
- Sound and sturdy old buildings (please contact us before use).
- Joints (minimum 8 mm) for brick, stone and ceramic facades.
- French DTU Standards 20.1 & 23.1, 26.1 (P1-1, P1-2 and P2).

SUITABLE SUBSTRATES

(see Selection Guide)

- Cast-in-place concretes (DTU 23.1).
- Breeze block masonry (DTU 20.1) with standard or narrow joints.
- Cement undercoats and mixes (DTU 26.1).
- Old masonry and other substrates (please contact us beforehand).

PROHIBITED SUBSTRATES

- Paint & thick paint coatings.
- Bare wood.
- Horizontal or sloping surfaces (except arches and soffits).

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- If the temperature exceeds 30°C, special protective measures must be taken.

- Do not apply to frozen, thawing, hot or damp surfaces. Do not apply to surfaces in full sunlight or during heavy rain and strong winds.
- Do not use strong colours (dark range) at temperatures below 8°C and with high humidity (increased risk of efflorescence or carbonation).
- Special conditions: see **“Substrate preparation”**.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Binders (white cement, natural hydraulic lime, high calcium lime).
- Fillers, quartz sands and aggregates.
- Water-retention agents & setting agents.
- Water-repellent agents & lightfast mineral pigments.

PRODUCTS

POWDER:

- Max. grain size: 2 to 3.15 mm

PASTE:

- Water retention: 91 to 97%
- pH (alkaline): 12.5 ± 0.5

PERFORMANCE

WHEN HARDENED:

- Density: 1.6 to 2 t/m³
- Modulus of elasticity: 7,500 to 14,000 MPa
- Flexural strength: 2 to 3.5 MPa

PERFORMANCE ACCORDING TO EN 998-1 - SINGLE LAYER MORTARS:

- Compressive strength: CS IV (≥6 N/mm²)
- Water permeability after freezing: <1 cm³/cm²
- Water vapour permeability: μ ≤ 35
- Thermal conductivity (λ 10, dry): 0.93 W/mK (established value)

- Durability/adhesion after freezing/Rupture: ≥ 0.2 N/mm² - A, B or C
- Water absorption (Wc2): Capillarity ≤ 0.20 kg/m².min^{0.5}
- Reaction to fire (non-combustible): A1 (M0)

APPLICATION

- Mixing ratio: 15 to 17% for PRB 85 H, 17 to 19% for TRADI H
- Mixing time: 3 to 7 mins
- Mixture handling time: 40 ± 10mins
- Setting time - before contact with water: 3 to 6 hrs
- Setting time - before scraping: 3 to 6 hrs

- Setting time - between layers: 1 to 48 hrs
- Maximum thickness per layer: 20 mm
- Maximum working thickness: 30 mm

NB: These values are estimates based on laboratory or on-site testing. The conditions of use, the type of material used and its level of wear and tear can significantly alter these values.

UTILISATION

SUBSTRATE PREPARATION

- Substrates must be clean, dust-free, stable, and any large chips, cracks or dents must be filled in beforehand.
- In hot weather and/or dry or gusty winds, the substrate should be wetted the day before application and again prior to application if necessary to prevent the render from drying out.
- Please refer to **“Substrate preparation”** and **“Applying single layer renders depending on the condition of the substrate”**.

MORTAR PREPARATION

Mortar pumps/sprayers - Concrete mixers (batch mixers)

- Mix each 25 kg bag of PRB TRADI H with 4.25 to 4.75 L of clean water and each 25 kg bag of PRB 85 H with 3.75 to 4.25 L of clean water for 5 mins.
- The water dosage and mixing time should be as consistent as possible to ensure regular colour throughout.
- Similarly, if using batches from different dates, these should be mixed proportionally to avoid irregular colouring.

PUMP/SPRAYER SETTINGS

Mortar pump

- Set the water pressure to: 12 to 14 bars
- Paste operating pressure: 18 to 24 bars
- Output flow rate: 14 to 18 L/min
- Spray nozzles (min. Ø): 12 mm

Spray guns

- Air pressure: 6 to 8 bars

Manual application

- Once the product is mixed to a very plastic consistency, it can be applied with a mortar trowel, overlapping slightly.
- Level the base coat by smoothing the render with a straight edge.

APPLICATION AND TYPES OF FINISHES

- PRB TRADI H finishes: Fine scrape, rough scrape, rustic, roughcast & fine float finish.
- PRB 85 H finishes: Medium scraped, rough scraped, rustic, roughcast, medium float finish (in small areas).
- Apply in accordance with the **“Types of Finishes”** section.
- See the **“Selection Guide”** for all possible finishes.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.